

ABSTRACT

A photovoltaic power generator which outputs power generated by a solar battery panel through a DC-DC converter detects a time point at which a time differentiation value of output voltage of the solar battery panel substantially becomes zero, obtains power variation from the output power of the solar battery panel at each time point, controls the DC-DC converter based on the power variation, thereby swiftly and precisely tracking the maximum power point of the solar battery panel even when hysteresis loop (dynamic characteristic) is generated.